

## CLAIMS

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. An autologous platelet gel wherein all of the blood components which form the platelet gel are isolated from the individual to whom the platelet gel is to be applied to, comprising:

a platelet gel having a predetermined geometric shape corresponding to a cavity in the individual to whom said platelet gel is to be applied to.

2. The autologous platelet gel of claim 1, wherein said predetermined geometric shape is created by gelling said autologous platelet gel in a mold having the desired shape.

3. The autologous platelet gel of claim 2, wherein said mold is constructed of a wettable or non-wettable interior surface.

4. The autologous platelet gel of claim 3, wherein said interior surface of said mold is glass.

5. The autologous platelet gel of claim 3, wherein said interior surface of said mold is plastic.

6. The autologous platelet gel of claim 3, wherein said interior surface of said mold is aluminum.

7. The autologous platelet gel of claim 3, wherein said mold has a basic conical shape.

8. The autologous platelet gel of claim 3, wherein said mold has a rod like shape.

9. The autologous platelet gel of claim 1, wherein said mold has a rectangular shape.

10. The autologous platelet gel of claim 7, wherein said conical shaped autologous platelet gel is used as a plug in a hole in the gum created from an extracted tooth.

11. The autologous platelet gel of claim 8, wherein said rod shaped autologous platelet gel is used as a plug in a hole in bone.

12. The autologous platelet gel of claim 11, wherein said autologous platelet gel further comprises bone fragments or bone augmenting materials.

13. A method of making an autologous platelet gel having a predetermined geometric shape, comprising:

introducing thrombin and an inactive blood component isolated from the individual to whom the platelet gel is to be applied into a mold having the desired geometric shape;

allowing said thrombin and said inactive blood component to set in said mold; and

removing said autologous platelet gel from said mold.

14. The method of claim 13, wherein said inactive blood component is platelet rich plasma.

15. The method of claim 13, wherein said inactive blood component is platelet poor plasma.

16. The method of claim 13, wherein said autologous platelet gel is inserted into a cavity in the body of the individual from whom the thrombin and inactive blood component were isolated.

17. The method of claim 13, further comprising introducing any organic or inorganic material.